

AF/TFW

PATENT

Customer No. 22,852  
Attorney Docket No. 08702.0009-03000

RESPONSE UNDER 37 C.F.R. § 1.116  
EXPEDITED PROCEDURE REQUESTED  
EXAMINING GROUP 1645

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

LEONARD et al.

Application No.: 10/659,586

Filed: September 11, 2003

For: USE OF IL-12 AND IL-12  
ANTAGONISTS IN THE  
TREATMENT OF AUTOIMMUNE  
DISEASES

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT AFTER FINAL**

In reply to the Final Office Action mailed May 17, 2005, and pursuant to 37 C.F.R. § 1.116, Applicants respectfully request reconsideration of the claims in view of the following amendments and remarks.

**Amendments to the Claims** are reflected in the listing of claims beginning on page 2 of this paper.

**Remarks/Arguments** follow the amendment sections of this paper beginning on page 5.

**Attachments** include seven references discussed herein:

1. Baeder et al., "Rapamycin prevents the onset of insulin-dependent diabetes mellitus (IDDM) in NOD mice," *Clin. Exp. Immunol.* 89(2):174-178 (1992).
2. Campbell et al., "Essential Role for Interferon- $\gamma$  and Interleukin-6 in Autoimmune Insulin-Dependent Diabetes in NOD/Wehi Mice," *J. Clin. Invest.* 87:739-742 (1991).
3. Charteris et al., "Interferon-gamma (IFN- $\gamma$ ) Production In Vivo in Experimental Autoimmune Uveoretinitis," *Immunolog.* 75:463-467 (1992).
4. Kai et al., "Prevention of insulitis and diabetes in nonobese diabetic mice by administration of FK506," *Transplantation* 55(4):936-940 (1993).
5. Knoerzer et al., "Collagen-Induced Arthritis in the BB Rat: Prevention of Disease by Treatment with CTLA-4-Ig," *J. Clin. Invest.* 96:987-993 (1995).
6. Merino et al., "Prevention of Systemic Lupus Erythematosus in Autoimmune BXSB mice by a Transgene Encoding I-E  $\alpha$  Chain," *J. Exp. Med.* 178:1189-1197 (1993).
7. Tang et al., "The Effects of a Monoclonal Antibody to Interferon- $\gamma$  on Experimental Autoimmune Thyroiditis (EAT): Prevention of Disease and Decrease of EAT-specific T Cells," *Eur. J. Immunol.* 23:275-278 (1993).